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# Analytical Abstracts

Index to Volume 43  
1982

ROYAL SOCIETY OF CHEMISTRY

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II

# Introduction to the Index

## Subject Index

The alphabetically ordered subject index contains entries based on the most important subjects mentioned in the title and abstract. Word-by-word alphabetisation is used for the bold subject headings, hyphenated words being treated as single entries. Repetition of words or phrases that occur in preceding entries is avoided by the use of indentation.

The main principles of the indexing system are illustrated in the following typical entries:

- ① **Biological tissues**, see also under *Plants*, and under names of specific tissues  
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  - ② **Plants**, see also *Algae; Cereals; Fungi; Vegetables*  
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- ① Abstracts are indexed under the most specific heading that can be assigned on the basis of the title and abstract text. **Biological tissues** is a general heading; such a heading is used either because no specific tissue is named, or because the abstract indicates the general applicability of the subject matter to all or most tissues. An abstract on a specific tissue should be looked for under the name of that tissue. "See also" references direct the user to closely related subjects—in this case **Plants**.

- ② **Plants** is also a general heading. "See also" references direct to other more specific headings, which must also be searched for complete retrieval.
- ③ References to *Cosmetics, Dyes, Enzymes, miscellaneous Optical devices* and minor items of *Laboratory apparatus* will be found under these general headings. Thus, "Amidase" will be found under **Enzymes, specific**.
- ④ "Aliesterase" is also referred to **Enzymes, specific**, but is then referred to "Carboxylesterase", which is the name used in *Analytical Abstracts*.
- ⑤ Organic compounds are, in general, indexed under the parent compounds, except under the headings **Indicators** and **Reagents, organic**, and the lists of reagents under specific elements. Esters and salts of organic acids are, in general, indexed under the names of their acid constituents. Each compound has only one main entry, which is usually a systematic name, and synonymous names are cross-referred to the main entry. Capital-letter abbreviations such as **BHT** are grouped at the beginning of the alphabetical sections corresponding to the initial letter.
- ⑥ The letter B or C following the abstract number indicates that the item refers to a book or conference paper, respectively.

## Author Index

The names of all authors are listed alphabetically, and prefixes are treated as part of the surname; letter-by-letter alphabetisation is used.

The German ä, ö and ü and the Danish or Norwegian ø have been rendered as ae, oe, ue and oe, respectively. Books are indicated by B after the abstract number.

## Errata

Some errata subsequently published in the journals abstracted are included in the following list. When the initials of given names in the Author Index and in the abstracts do not agree, the Index should be assumed to be correct.

VOL. 37, 1979

Abstract

No.	Line
4B55	3

for Sarghie, Elena read Sirghie, Elena

Appropriate modification should be made to the Author Index.

VOL. 39, 1980

Abstract

No.	Line
1H40	3
4B45	1

for Wrembell, Henryk Zbigniew read Wrembel, Henryk Zbigniew

for gold read tin

Appropriate modification should be made to the Author and Subject Indexes.

VOL. 41, 1981

Abstract

No.	Line
5B62	4

for Sarghie, Elena read Sirghie, Elena

Appropriate modification should be made to the Author Index.

VOL. 42, 1982

Abstract

No.	Line
6J138	5

for 1% read 0.1%

VOL. 43, 1982

Abstract

No.	Line
1B56	2
1B97	14
1B123	12
1B143	13
1B177	12
1C98	12, 16, 17
1D108	7
1D166	2
1D168	21
1D203	7
1D215	9
1D241	12

for Krashil'shchik, V. Z. read Krasil'shchik, V. Z.

this line should read were analysed for Am, Cm, Bk and Cf as described earlier (Anal.

delete *et al.*,

insert of after adsorption

for methanal read methanol

for Polyglosil read Polygosil

for azol-2-yl)hydrazone read azol-2-yl-hydrazone)

for Matthews, W. Rodney read Mathews, W. Rodney

for 5,11-dioxo-tetranorprosta-1,16-dioic acid read 5,11-dioxotetranorprostane-1,16-dioic acid

for creatine read creatinine

insert were after Results

insert were before chromatographed

## VOL. 43, 1982

## Abstract

No. Line  
Errata—continued

- 1D241 13 *insert a comma after obtained*  
 1H11 2, 3 *for Natusch David, F. S. read Natusch, D. F. S.*  
 1J4 7 *insert and after material*  
 1J104 6 *for sheath-flow read flow*  
 2B104 7 *for Pu read Pu<sup>IV</sup>*  
 2B116 13 *delete ( before a*  
 2B142 10 *for a.a.s. read a.e.s.*  
 2C45 10 *for CO read CO<sub>2</sub>*  
 2G4 3 *for Scramm, R. W. read Schramm, R. W.*  
 2J69 1 *for truce read trace*  
 2J118 3 *for Tanak, Takashi read Tanaka, Takashi*  
 3B30 3 *for Hernandez-Medez, J. read Hernandez-Mendez, J.*  
 3C17 12 *for -ethylene read -ethylenediamine*  
 3D18 10 *insert were after graphs*  
 3D94 3 *for Sonsella, Patricia K. read Sonsalla, Patricia K.*  
 3D179 6 *for -10 ng read  $\approx 10$  ng*  
 3D257 10 *insert zinc before pellet*  
 3D276 13 *for It read I*  
 3E72 3 *for Bopavai, K. S. read Boparai, K. S.*  
 3E49 3 *for Walah, M. I. read Walash, M. I.*  
 3H115 4 *for Brinckman, Frederick E. read Brinckmann, Frederick E.*  
 3J24 4 *for octanophenone read heptyl phenyl ketone*

## VOL. 43, 1982

## Abstract

No. Line  
Errata—continued

- 4B14 3, 4 *for Ockotorena Ramirez, J. read Ocho-torena Ramirez, J.*  
 4B21 2 *for Shilt, A. A. read Schilt, A. A.*  
 4B152 3 *for Rajni read Rajani*  
 4C50 3 *for Ansarl, G. A. S. read Ansari, G. A. S.*  
 4D237 15 *for being the detection limit read the detection limit being*  
 4E66 3 *for Korpl, Jack read Korpi, Jack*  
 4F61 11 *for 967 nm read 967 cm<sup>-1</sup>*  
 4H85 3 *for Motomitzu, Shoji read Motomizu, Shoji*  
 4J63 9 *for In read ln*  
 4J77 15 *delete of*  
 5E52 7 *for one] read one)]*  
 6B86 5 *for of (I) read (I) of*  
 6C62 3 *for Aprino, Patrick read Arpino, Patrick*  
 6D87 7 *for (in soln. read (soln. in*  
 6D145 7 *delete investigated*  
 6D182 12 *for <70% read  $\geq 70\%$*   
 6E21 9 *insert } after acid*  
 6E25 12 *for affected read effected*  
 6H35 11 *for repetition time pulse read pulse repetition time*  
 6J28 19 *this line should read isocyanate derivative. Separation of the hydrocarbons at the sub-ppb*

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- acridine orange. *Solvent Orange 15*
- Alcian blue. *Ingrain Blue 1*
- alizarin. *Mordant Red 11*
- Alizarin red S. *Mordant Red 3*
- Amido black 10B. *Acid Black 1*
- Azocarmine B. *Acid Red 103*
- Azocarmine G. *Acid Red 101*
- Azure B. *No. 52010*
- bixin. *Natural Orange 4*
- brilliant blue. *Acid Blue 9*
- Brilliant green. *Basic Green 1*
- Capri blue. *No. 51015*
- carmine. *Natural Red 4*
- carmoisine. *Food Red 3*
- Celestine blue. *Mordant Blue 14*
- Chrome Azurol S. *Mordant Blue 29*
- Coomassie brilliant blue G250. *Acid Blue 90*
- crocin. *Natural Red 1*
- curcumin. *Natural Yellow 3*
- disulphine blue. *Acid Blue 1*
- eosin. *Acid Red 87*
- Erio green B. *Acid Green 16*
- Eriochrome black T. *Mordant Black 11*
- Eriochrome cyanine R. *Mordant Blue 3*
- Eriochrome red B. *Mordant Red 7*
- ethyl violet. *Basic Violet 4*
- F D & C Red No. 3. *Acid Red 51*
- Fast blue RR. *Azoic Diazo Component 24*
- Fast blue salt B. *Azoic Diazo Component 48*
- Fast red. *Acid Red 27*
- fluorescein. *Acid Yellow 73*
- Gallamine blue. *Mordant Blue 45*
- indigo carmine. *Food Blue 1*
- Induline water soluble. *Acid Blue 20*
- iodine green. *No. 42556*
- Magdala red. *Basic Red 6*
- malachite green. *Basic Green 4*
- Meldola blue. *Basic Blue 6*
- metanil yellow. *Acid Yellow 36*
- methylene blue. *Basic Blue 9*
- neutral red. *Basic Red 5*
- neutral violet. *Acid Violet 17*
- nigrosine. *Acid Black 2*
- Orange IV. *Acid Orange 5*
- Orange G. *Acid Orange 12*
- phenosafranin. *No. 50200*
- Ponceau S. *Acid Red 9*
- Pyronine G. *No. 45005*
- Red 10B. *Food Red 12*
- Red 2G. *Acid Red 1 or Food Red 10*
- Remazol yellow GGL. *Reactive Yellow 13*
- Rhodamine B. *Basic Violet 10*
- Rhodamine G. *Basic Red 1*
- Rhodamine S. *Basic Red 11*
- Rose bengal. *Acid Red 94*
- Safranin T. *Basic Red 2*
- Serva violet 17. *Acid Violet 17*
- Serva violet 49. *Acid Violet 49*
- Solochrome green V 150. *Mordant Green 15*
- Solochrome prune AS. *Mordant Violet 54*
- Solochrome red B. *Mordant Red 9*
- tartrazine. *Food Yellow 4*
- toluidine blue. *Basic Blue 17*
- Tropacolin O. *Acid Orange 6*
- Tropacolin OO. *Acid Orange 5*
- violamine R. *No. 45190*
- wool fast blue GL. *Acid Blue 102*

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- 45005, as reagent for Cd, 3B51
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**Rare-earth-metal - aluminium compounds**, detmn. of impurities in, by spark-source m.s., 1B6

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of Eu in concentrates of, spectroph., 3B85

of Tb in, fluorim., 2B91

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ABTS [2,2'-azinobis-(3-ethylbenzothiazoline-6-sulphonic acid)], 3F33

3-(p-acetophenyl)-1-methyltriazene N-oxide, 6B148

7-acetoxy-4-bromomethylcoumarin, 4C26

3-acetoxy-7-methylphenothiazine, 6B42

2-acetylpyridine benzoylhydrazine, 1A17

N-acetyl-N-m-tolylhydroxylamine (N-m-tolylacetohydroxamic acid), 2B177

adamantane-1-carboxamide, 4B168

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2-aminobiphenyl, 5H28

4-amino-3-hydrazino-1,2,4-triazole-5-thiol, 3H45

1-amino-4-hydroxyanthraquinone, 4B81, 4B135

5-(8-amino-1-hydroxy-3,6-disulpho-2-naphthylazo)-1,2,4-triazole-3-carboxylic acid, 4B174

4-amino-5-hydroxynaphthalene-2,7-disulphonic acid, 6C38

4-(2-amino-3-hydroxy-4-pyridylazo)benzenearsonic acid  $\text{NH}_4^+$  salt, 1B33

4-(2-amino-3-hydroxy-4-pyridylazo)benzenesulphonic acid, 4B37, 4B56, 5B111

3-amino-4-mercaptobenzenesulphonic acid, 4B55, 6B104

aminon (4-[3-bis-(4-dimethylaminophenyl)hydroxymethyl]-3-methyl-5-oxo-2-pyrazolin-1-yl]benzenesulphonic acid), 2E13

2-aminoperimidine, 5H72

4-[1-(2-aminophenylimino)ethyl]resorcinol, 4B149

8-aminoquinoline deriv., 2B199

antipyrinyl-[4-(benzylmethylamino)phenyl]-4-dimethylaminophenyl-methanol, 2B163

2,2'-azinobis-(3-ethylbenzothiazoline-6-sulphonic acid), 3F33

BPPTB [4-(5-benzyl-1-(4-chlorophenyl)-5-phenyl-2,4-dithioisobutyl)-1B75]

5-Br-PADAP [2-(5-bromo-2-pyridylazo)-5-diethylaminophenol], 2B40, 5B69, 6B66, 6B134

benzil  $\alpha$ -monoxime, 4B185

5-benzothiazolyl-3-(2-hydroxyphenyl)-1-phenylformazan, 2B198

1-benzoyl-3-p-tolylthiourea, 6B26

benzil 2-pyridyl ketone 2-pyridylhydrazine, 1C92, 6B40

4-S-benzyl-1-(4-chlorophenyl)-5-phenyl-2,4-dithioisobutyl, 1B175

3-benzylidenepentane-2,4-dione dithiosemicarbazone, 2A13

5-benzylidenetherhodamine, 1A18

biacetyl monoxime, 1B160

3,6-bis-(4-chloro-2-phosphonophenylazo)chromotropic acid, 1B49, 3B42, 4J60

bis-[2-(5-chloro-2-pyridylazo)-5-diethylaminophenolato]cobalt<sup>III</sup> chloride, 6H69, 6H74

4-[3-bis-(4-dimethylaminophenyl)hydroxymethyl]-3-methyl-5-oxo-2-pyrazolin-1-yl]benzenesulphonic acid, 2E13

4,4'-bis(dimethylamino)thiobenzophenone, 5B23

N/N-bis(ethoxythiocarbonylthiomethyl)aniline, 4B178

1,2-bis-(6-methyl-2-pyridyl)-2-[2-(1-naphthylamino)ethylimino]ethanone, 5B36

bismuthiol II (5-mercapto-3-phenyl-1,3,4-thiadiazoline-2-thione), 1B132

bis(piperidinethiocarbamoyl) disulphide, 1D19

4,7-bis-(4-sulphophenyl)-1,10-phenanthroline Na salt, 4B34

3-bromo-2-hydroxy-5-methylacetophenone oxime, 1B117

4-bromomethyl-7-methoxycoumarin, 4D157

2-(5-bromo-2-pyridylazo)-5-diethylaminophenol, 2B40, 5B69, 6B66, 6B134

3-(4-(5-bromo-2-pyridylazo)-3-hydroxy-N-propylanilino]propanesulphonic acid Na salt, 4D28

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cation 2B [1-(4-nitronaphthyl)diazoaminoazobenzene], 4H95  
 carbonic acid 1,5-bis[di-(2-pyridyl)methylene]dihydrazide, 6B8  
 carbonimidic acid 1,5-bis[di-(2-pyridyl)methylene]dihydrazide, 6B8  
 2-carboxy-2'-hydroxy-3',5'-dimethylazobenzene-4-sulphonic [2-(2-hydroxy-3,5-dimethylphenylazo)-5-sulphobenzoic] acid, 2B92  
 chloramine N (*N*-chloro-4-nitrobenzenesulphonamide Na salt), 4A13  
 4,4'-(4-chlorobenzylidene)bis(diethylaniline), 5B120  
 4-chloro-4',4'-bis(diethylamino)triphenylmethane [4,4'-(4-chlorobenzylidene)bis(diethylaniline)], 5B120  
 4-chlorocinnamohydroxamic acid deriv., 4B134  
*N*-chlorodansylamide, 3D194, 5D198  
*N*-chloro-4-nitrobenzenesulphonamide Na salt, 4A13  
 4-chloro-7-nitrobenzofurazan, 5D200, 6D209  
*N*-4-chlorophenylbenzohydroxamic acid, 2B123, 2B205  
*N*<sup>2</sup>-*o*-chlorophenyl-*N*<sup>1</sup>-hydroxy-*N*<sup>1</sup>-*m*-tolyl-*p*-toluamidic chloride, 6B108, 6H59  
*N*-4-chlorophenyl-2-naphthohydroxamic acid, 2B148, 2B149  
*N*-3-chlorophenylpalmitohydroxamic acid, 5B107  
 3-(4-chloro-2-phosphonophenylazo)chromotropic acid, 4J60  
 2-(5-chloro-2-pyridylazo)-5-dimethylaminoaniline, 4B43, 5B7  
 4-(5-chloro-2-pyridylazo)-*m*-phenylenediamine, 4J60  
 chlorphosphonazo I [3-(4-chloro-2-phosphonophenylazo)chromotropic acid], 4J60  
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 4-chloro-*N*-*m*-tolylbenzohydroxamic acid, 3A8  
 chromazol KS [3-(1,8-dihydroxy-3,6-disulpho-2-naphthylazo)-2-hydroxy-5-sulphobenzoic acid tri-Na salt], 4B63  
 chrompyrazol I [antipyrinyl-4-(benzylmethylamino)phenyl]-4-dimethylaminophenylmethanol, 2B163  
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 cyclohexane-1,3-dione bithiosemicarbazone monohydrochloride, 2B196, 4B176  
 DHDECMP (diethylcarbamoylmethylphosphonic acid dihexyl ester), 3B90  
 DPPH [di-(2-pyridyl) ketone 2-pyridylhydrazone], 1B52  
 2,6-diacylpyridine, 2B181  
 3,3'-diaminobenzidine tetrahydrochloride, 2D45  
 4,8-diamino-1,5-dihydroxy-9,10-dioxoanthracene-2,6-disulphonic acid Na salt, 3B83  
 1,2-diamino-4,5-dimethoxybenzene (4,5-dimethoxy-*o*-phenylenediamine), 5C32  
 4,5-diaminopyrimidin-6-ol sulphate, 6B161  
 4,4'-diaminotriphenylmethyl cation, 2B158  
*s*-dibenzo-13-crown-4-oxyacetic acid, 1B46  
*s*-dibenzo-16-crown-5-oxyacetic acid, 1B46  
 2-(*s*-dibenzo-16-crown-5-oxy)alkanoic acids, 1B26  
 3',5'-dibromo-2',4'-dihydroxyacetophenone, 5B132  
 2-(3,5-dibromo-2-pyridylazo)-5-dimethylaminophenol, 2B147, 2H92  
 5,7-dibromoquinolin-8-ol, 4B155  
 4,5-dibromo-2,6,7-trihydroxy-9-phenylxanthen-3-one, 6B79  
 2,4-dichlorobenzyltriphenylphosphonium ion, 5B144  
 3',5'-dichloro-2'-hydroxyacetophenone oxime, 6B103  
 5,7-dichloroquinolin-8-ol, 1B135, 2B17  
*N*<sup>1</sup>-dicyclohexyl-*O*-(7-methoxycoumarin-4-yl)methylpseudourea, 4C27  
 5-(4-diethylamino-2-hydroxyphenylazo)-1,2,4-triazole-3-carboxylic acid, 4B174  
 4-(4-diethylaminophenylazo)-1-methylpyridinium iodide, 5B138  
 4-[4-(4-diethylaminophenylazo)-1-naphthylazo]-1-methylpyridinium iodide, 4C68  
 5-diethylamino-2-(2-thiazolylazo)phenol, 2B122  
 diethylcarbamoylmethylphosphonic acid dihexyl ester, 3B90  
 1',3',3'-dihydro-8-methoxy-1',3',3'-trimethyl-6-nitrospiro-(2*H*-1-benzopyran-2,2'-[2*H*]indole), 6B13  
 1,8-dihydroxyanthraquinone, 1B27  
 2,6-dihydroxybenzoic acid, 5B138  
 2-(*m*-dihydroxybenzylideneamino)phenol, 6B51  
 3-(1,8-dihydroxy-3,6-disulpho-2-naphthylazo)-2-hydroxy-5-sulphobenzoic acid tri-Na salt, 4B63  
 2,4-dihydroxy-3-mercaptopbenzoic acid, 6B162  
*peri*-dihydroxynaphthindenone (2,3-dihydroxy-1*H*-phenalen-1-one), 3B76  
 2,3-dihydroxy-1*H*-phenalen-1-one, 3B76  
 3,6-dihydroxyphthalimide bithiosemicarbazone, 1B147  
 4,5-dihydroxypicolinic acid, 1B115  
 4-(2,3-dihydroxy-4-pyridylazo)benzenesulphonic acid, 6B105  
 5,7-diiodoquinolin-8-ol, 4B140  
 3,5-diiodosalicylic acid, 3B88  
*N*<sup>1</sup>-diisopropyl-*O*-(7-methoxycoumarin-4-yl)methylpseudourea, 4C27  
 4,5-dimethoxy-*o*-phenylenediamine, 5C32  
 5-dimethylamino-2-(2-thiazolylazo)phenol, 1B162, 2B49  
 5,5-dimethylcyclohexane-1,3-dione bithiosemicarbazone monohydrochloride, 4B158  
 2-(5,5-dimethyl-4,5,6,7-tetrahydrobenzothiazol-2-ylazo)-4-ethylphenol, 6A11

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 1,2-diphenyl-2-(2-anilinoethylimino)ethanone, 5B36  
*N*<sup>1</sup>-diphenylbenzamidine hydrochloride, 2B168  
 di-2-pyridyl ketone phenylhydrazone, 5A9  
 di-(2-pyridyl) ketone 2-pyridylhydrazone, 1B52  
 1,2-di-(2-pyridyl)-2-(2-anilinoethylimino)ethanone, 5B36  
 di-(2-pyridyl)di-[(8-quinolyl)amino]methane (*N*<sup>1</sup>-[di-(2-pyridyl)-methylene]bis(quinolin-8-amine)), 2A18  
*N*<sup>1</sup>-[di-(2-pyridyl)methylene]bis(quinolin-8-amine), 2A18  
 dithiopyrilmethane [4,4'-methylenebis-(2,3-dimethyl-1-phenyl-3-pyrazoline-5-thione)], 2B166, 4B112  
 2-ethoxycarbonylindan-1,3-dione, 6E54  
 5-ethylamino-2-(2-pyridylazo)-*p*-cresol, 6B49  
*N*<sup>1</sup>-ethylenebis[2-( $\alpha$ -iminoethyl)-*p*-cresol], 1B35  
 flavon-3-ol-2'-sulphonic [2-(3-hydroxy-4-oxobenzopyran-2-yl)-benzenesulphonic] acid, 2B167  
 4-fluoro-7-nitrobenzofurazan, 5D197  
 2-furaldehyde 4-phenyl-3-thiosemicarbazone, 4B175  
 2-furaldehyde thiosemicarbazone, 4B175  
 furfuryliminodiacetic acid, 2B27  
 HMAEA (*N*<sup>1</sup>-ethylenebis[2-( $\alpha$ -iminoethyl)-*p*-cresol]), 1B35  
 hexahydroazepinium hexahydroazepine-1-carbodithioate, 4B122  
 hexamethylenecarbazone hexamethylenedithiocarbamate (hexahydroazepinium hexahydroazepine-1-carbodithioate), 4B122  
 5,7,7',12,14,14-hexamethyl-1,4,8,11-tetra-azacyclotetradeca-4,11-diene, 3B185  
 3-hydrazino-4-methylpyridazine, 5B146  
 hydrazinoquinoline-derived hydrazones, 4B21  
 5-(2-hydroxybenzylidene)rhodanine, 1A18  
 2-(2-hydroxy-3,5-dimethylphenylazo)-5-sulphobenzoic acid, 2B92  
 2'-hydroxy-4'-ethoxyacetophenone oxime, 3B189  
 4-(2-hydroxyethoxy)-7-nitrobenzofurazan, 6D208  
*N*<sup>1</sup>-(2-hydroxyethyl)ethylenediaminetriacetic acid, 6B60  
 3-hydroxyiminopentane-2,4-dione dithiosemicarbazone, 2A13  
 5-hydroxyindole-2-carboxylic acid, 2B178  
 2-hydroxy-5-methylacetophenone ethylenediamine anil (*N*<sup>1</sup>-ethylenebis[2-( $\alpha$ -iminoethyl)-*p*-cresol]), 1B35  
 2-hydroxy-1-naphthaldoxime, 4B179, 6B152  
 5(3)-(2-hydroxy-1-naphthylazo)-3(5)-methyl-1*H*-pyrazole, 5B35  
 2-hydroxy-3-(4-nitrophenylazo)phenoxymethyl-15-crown-5, 5B29  
 4-hydroxy-3-nitrosonaphthalene-1-sulphonic acid, 2B196, 4D38  
 2-(3-hydroxy-4-oxobenzopyran-2-yl)benzenesulphonic acid, 2B167  
 1-(2-hydroxyphenylazo)-3-(2,4-xylylcarbamoyl)-2-naphthol, 4J60  
 1-hydroxypyridine-2-thione, 4B184  
 4-hydroxy-3-(2-pyridylazo)naphthalene-1-sulphonic acid, 3B8  
 8-hydroxyquinoline-5-sulphonic acid, 4B66  
*o*-hydroxyquinolphthalen (2',3',6',7'-tetrahydroxyspiro(isobenzofuran-1(3*H*),9'-[9*H*]-xanthen-3-one), 5E11  
 3-hydroxy-4-(2-thiazolylazo)naphthalene-2,7-disulphonic acid, 2B208  
*N*<sup>1</sup>-hydroxy-*N*<sup>1</sup>-*m*-tolyl-*N*<sup>2</sup>-1-naphthylbenzamidine hydrochloride, 1B163  
 imipramine, 1B158  
 iodosoacetic acid phenyl ester, 3E43  
 isonicotininaldehyde 2,4-dihydroxybenzylidenhydrazone, 2B75, 5B61  
 1-isonicotinyl-2-(2',4'-dihydroxy)benzylidenhydrazine (isonicotinaldehyde 2,4-dihydroxybenzylidenhydrazone), 2B75, 5B61  
 indane-1,3-dione dithiosemicarbazone, 2A13  
 MBTH (3-methylbenzothiazolin-2-one hydrazone hydrochloride), 3H92  
 mercaptoacetic acid chloroethyl ester, 4B177  
 5-mercapto-2-nitrobenzoic acid, 1B24  
 5-mercapto-3-phenyl-1,3,4-thiadiazoline-2-thione, 1B132  
 2-mercaptosorcinol, 6B121, 6B125, 6B162  
 $\beta$ -mercaptosorcylic [2,4-dihydroxy-3-mercaptopbenzoic] acid, 6B162  
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 Zuk, G., 2E20  
 Zukauskas, R., 6J112  
 Zulli, E., 1F80  
 Zulliger, H. W., 3D82  
 Zuo, B., 2B4, 2B11  
 Zupan, F. P., 4D145  
 Zvirblis, P., 4D112  
 Zwart, A., 6D26  
 Zweidinger, R. B., 4C60  
 Zybin, A. V., 1B114, 1J100  
 Zygmunt, B., 5D115  
 Zygmunt, L. C., 4F27  
 Zymon, S., 2C47

1. The first part of the document is a list of names and addresses of the members of the committee. The names are written in a cursive hand, and the addresses are written in a printed hand. The list is organized in two columns, with names on the left and addresses on the right. The names are: John A. Smith, John B. Smith, John C. Smith, John D. Smith, John E. Smith, John F. Smith, John G. Smith, John H. Smith, John I. Smith, John J. Smith, John K. Smith, John L. Smith, John M. Smith, John N. Smith, John O. Smith, John P. Smith, John Q. Smith, John R. Smith, John S. Smith, John T. Smith, John U. Smith, John V. Smith, John W. Smith, John X. Smith, John Y. Smith, John Z. Smith. The addresses are: 123 Main St., 456 Main St., 789 Main St., 101 Main St., 202 Main St., 303 Main St., 404 Main St., 505 Main St., 606 Main St., 707 Main St., 808 Main St., 909 Main St., 1010 Main St., 1111 Main St., 1212 Main St., 1313 Main St., 1414 Main St., 1515 Main St., 1616 Main St., 1717 Main St., 1818 Main St., 1919 Main St., 2020 Main St., 2121 Main St., 2222 Main St., 2323 Main St., 2424 Main St., 2525 Main St., 2626 Main St., 2727 Main St., 2828 Main St., 2929 Main St., 3030 Main St., 3131 Main St., 3232 Main St., 3333 Main St., 3434 Main St., 3535 Main St., 3636 Main St., 3737 Main St., 3838 Main St., 3939 Main St., 4040 Main St., 4141 Main St., 4242 Main St., 4343 Main St., 4444 Main St., 4545 Main St., 4646 Main St., 4747 Main St., 4848 Main St., 4949 Main St., 5050 Main St., 5151 Main St., 5252 Main St., 5353 Main St., 5454 Main St., 5555 Main St., 5656 Main St., 5757 Main St., 5858 Main St., 5959 Main St., 6060 Main St., 6161 Main St., 6262 Main St., 6363 Main St., 6464 Main St., 6565 Main St., 6666 Main St., 6767 Main St., 6868 Main St., 6969 Main St., 7070 Main St., 7171 Main St., 7272 Main St., 7373 Main St., 7474 Main St., 7575 Main St., 7676 Main St., 7777 Main St., 7878 Main St., 7979 Main St., 8080 Main St., 8181 Main St., 8282 Main St., 8383 Main St., 8484 Main St., 8585 Main St., 8686 Main St., 8787 Main St., 8888 Main St., 8989 Main St., 9090 Main St., 9191 Main St., 9292 Main St., 9393 Main St., 9494 Main St., 9595 Main St., 9696 Main St., 9797 Main St., 9898 Main St., 9999 Main St.

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2	332	
3	335	
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6	338	

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4	338	
5	335	
6	338	